
Remote Monitoring

Software

RemoteManager

USER'S MANUAL

Thank You

Thank you for purchasing our Digital Video Recorder.

Before operating the system, please read this User's Manual thoroughly and retain it for future reference.

First Edition : 2006. 09. 01

Picture might differ according to the specifications

20060901					

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• Category

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RemoteManager

1. Introduction

With this program, the user could easily see the surveillance and recording images of the connected DVR (Digital Video Recorder) from the PC. Maximum of 16 channels could be seen at once. Also, the camera images could be seen from any position with the button on the screen when PTZ driver has been installed.

2. System Requirement

Recommended Specs

Category	Content
OS	Windows 2000 / XP
CPU	Pentium III 933MHz or Higher To Display 16ch with full motion, Pentium 4 is recommended
RAM	128MB
VGA	1024 × 768, 24bit color, DirectX support (IMM4 Codec needed when playback backup file)
HDD	20MB free space

Minimum Specs

Category	Content
OS	Windows ME / NT 4.0 / 2000 / XP
CPU	Pentium III / Celeron 500MHz or Higher
RAM	64MB
VGA	1024 × 768, 24bit color
HDD	20MB free space

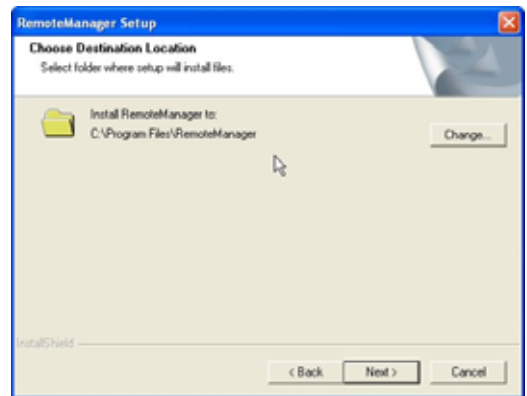
RemoteManager

3. Installation

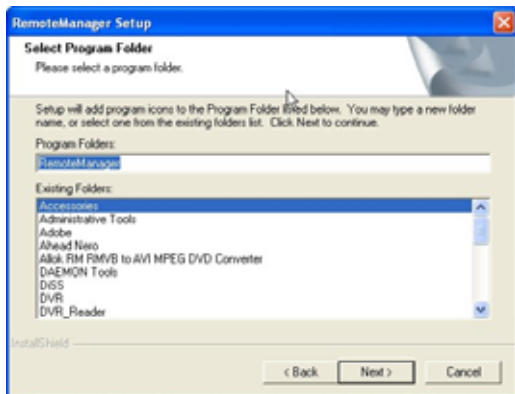
3.1 Open CD-ROM Drive and Run RemoteManagerSetup.exe and then appear Setup Menu



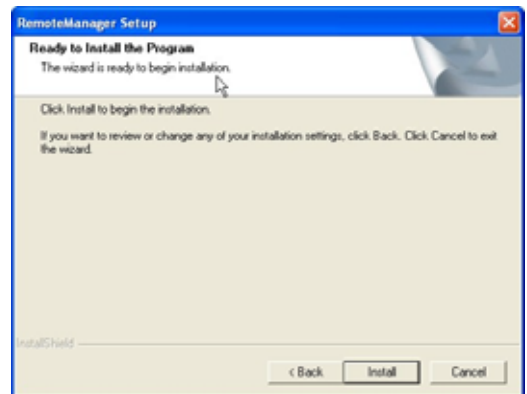
Press the [Next] button to move to the next screen.



Press [Change] button if you want to install the program in another directory.



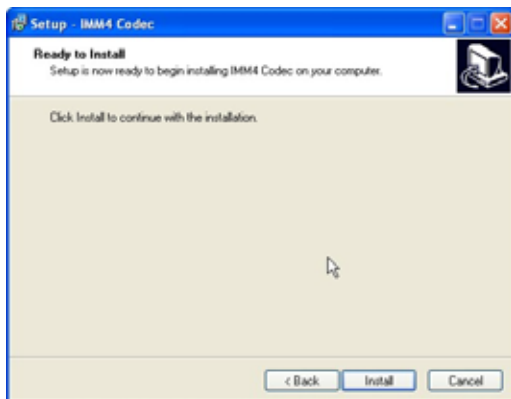
Select Program Folder.



Click [Install] to begin installation

RemoteManager

3.2 Install IMM4 VCM Codec on your computer.

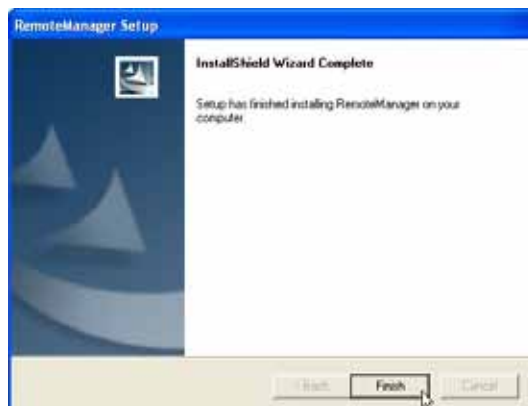


Click [Install]



Complete IMM4 Codec Setup

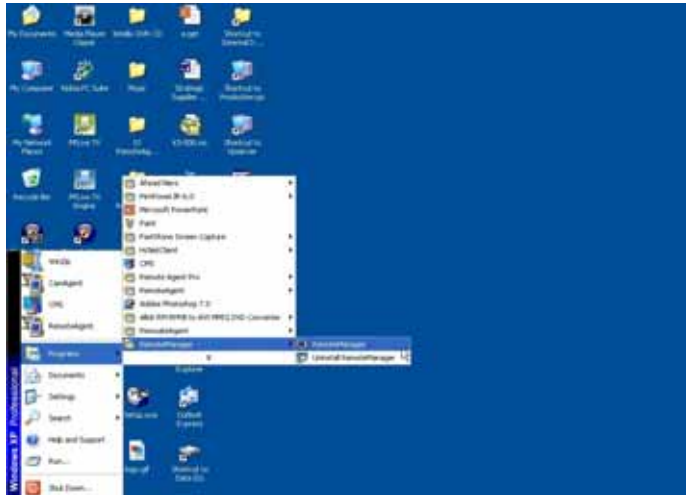
3.3 Finish RemoteManager Program Installation



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4. Basic Operation

4.1 Execute

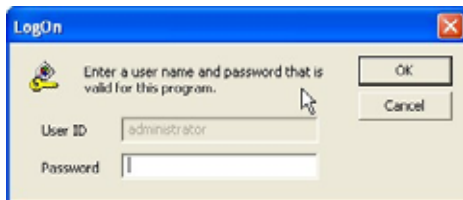


Select RemoteManager from Start \ Program list

Or click on RemoteManager icon on Desktop



4.2 LogOn



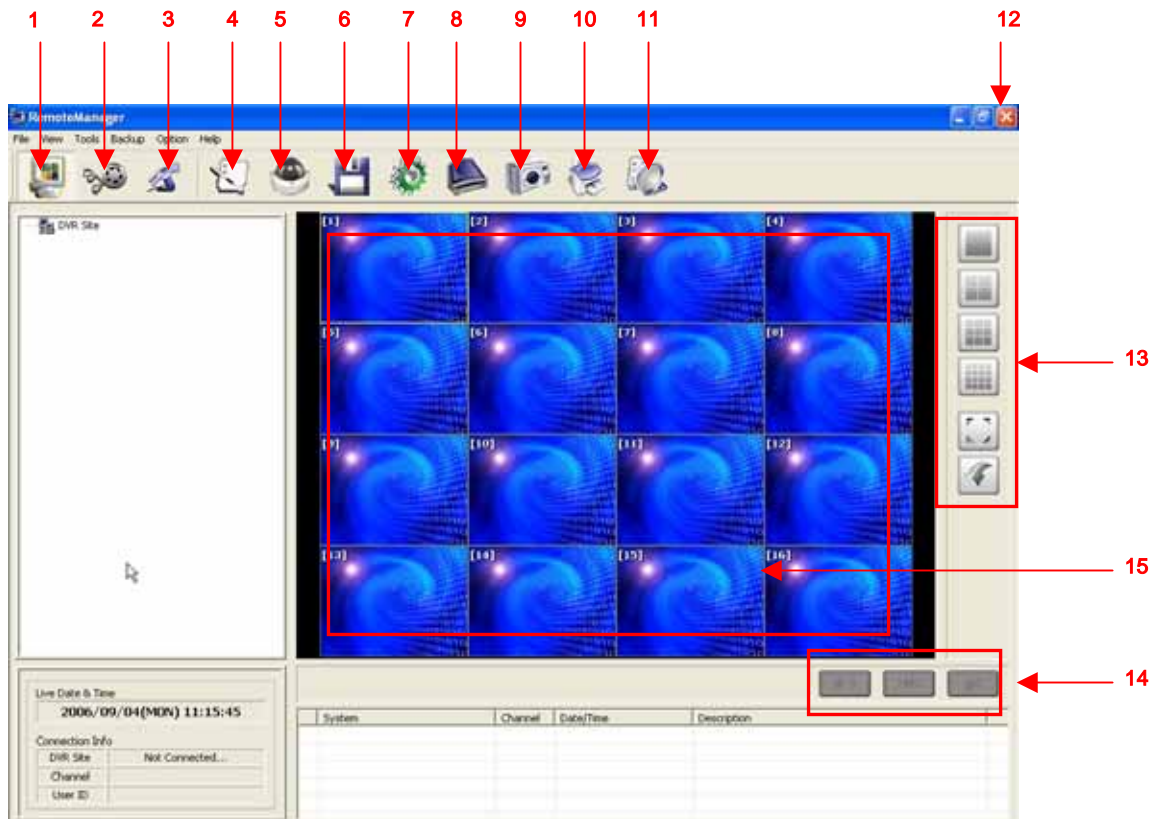
Input User ID and Password, then press [OK]
For first time logon, default User ID is “administrator”.
Administrator is the highest management of
RemoteManager.



Input password for confirmation

RemoteManager

5. Screen Layout



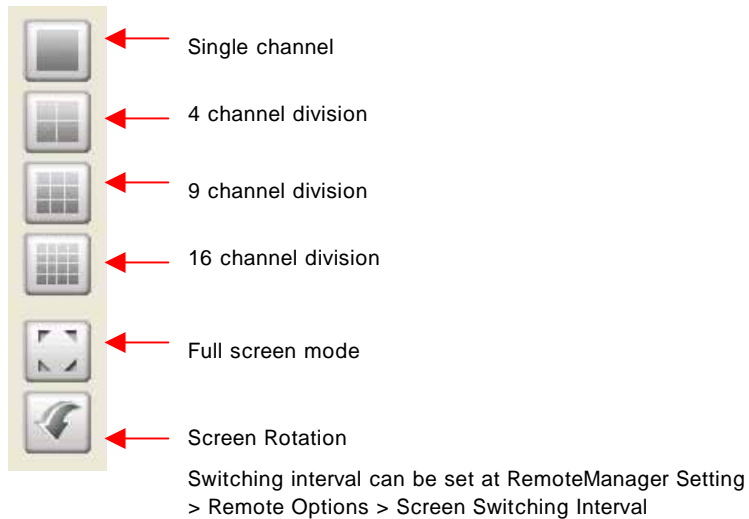
1. Live Mode : Showing live image
2. Playback (VOD) Mode : Playback (Video On Demand) recorded image
3. RemoteManager Setting : Option setup of RemoteManager
4. DVR Site Registration : Add / Modify Site List and User List
5. PTZ Camera Control : Control camera PTZ & Focus
6. Backup Live : Save live image in AVI format
7. Remote Configuration : Remote setup DVR
8. Backup Archive : Backup video from DVR to PC
9. Saving Snap - Shot : Save picture to PC
10. Still Printing : Print out image
11. Log Event Search : Showing event in server & find image

RemoteManager

5. Screen Layout

12. Exit RemoteManager program

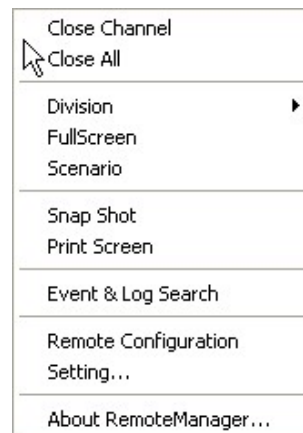
13. Screen Division Selection : Change screen division mode



14. Alarm and Audio : Alarm on/off, 2-way Audio, Audio mute

15. Channel Screen : Transmitted images of camera are shown in each channel screen. Click with mouse and then the chosen screen is indicated by yellow border.

Right click mouse, "Hot-cut"
menu will appear



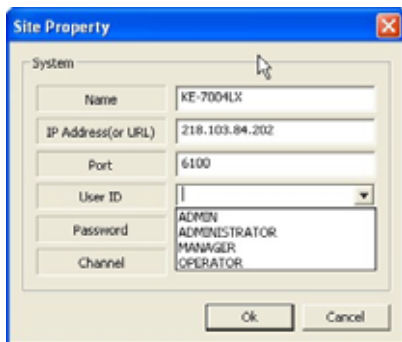
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6. DVR Site Registration

6.1 Select DVR Site Registration icon

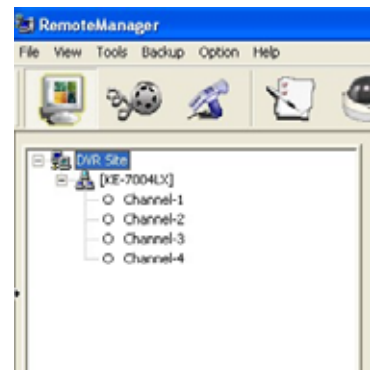
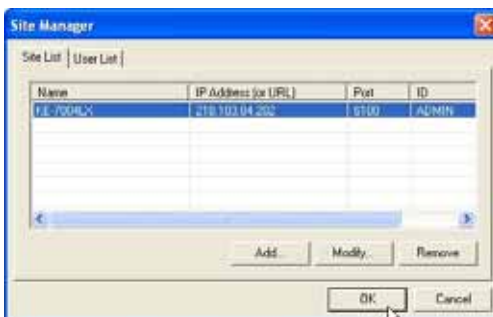


6.2 In Site Manager, select [DVR List] and click [Add] to add or click [Modify] to amend DVR site information



6.3 In Site Property, input DVR Name, IP, User ID, Password and Channel#, then click [Add]

Default Port# is 6100



6.4 Click [OK], new DVR information will show at DVR Site panel

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7. Live Connection

7.1 Select Live Mode icon



7.2 Select a site from the DVR Site panel. Then with the mouse, drag it to the Channel Screen.



7.3 Show live date & time, connection information of the DVR site.



7.4 Indicate event occurred - Show live date & time, connection information of the DVR site.

System	Channel	Date/Time	Description
KE-7004LX	1	2006/09/05 12:00:00	Recording is continued #1
KE-7004LX	2	2006/09/05 12:00:00	Recording is continued #2
KE-7004LX	3	2006/09/05 12:00:00	Recording is continued #3
KE-7004LX	4	2006/09/05 12:00:00	Recording is continued #4
KE-7004LX	1	2006/09/05 12:15:00	Recording is continued #1

7.5 Show DVR name, channel#, resolution, live date & time of the connected channel.



7.6 Enable / Disable alarm out, 2-way audio, audio mute.



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8. Playback Connection

8.1 Select Playback(VOD) Mode icon



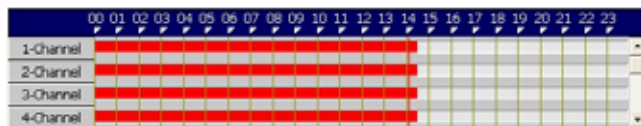
8.2 Select a site from the DVR Site panel. Then with the mouse, drag it to the Channel Screen.



8.3 Select date on calendar, and input playback time



8.4 User can also search video by using 0~24 hour search bar



8.5 Then click forward play or backward play icon



8.6 User can adjust playback speed up to X64



8.7 Show DVR name, channel#, resolution, recorded date & time of the connected channel.



8.8 Enable / Disable audio mute



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9. RemoteManager Setting

9.1 Select RemoteManager Setting icon



Receive Event : Select type of event to receive from DVR sites


OSD Display : Select On-Screen-Display information

Screen Switching Interval (sec) : Select screen rotation interval time (from 2 to 300 sec.)

Live Audio Monitoring Channel : Select audio channel to be monitored at remote

Alarm Pop-up (sec) : Select alarm pop-up time

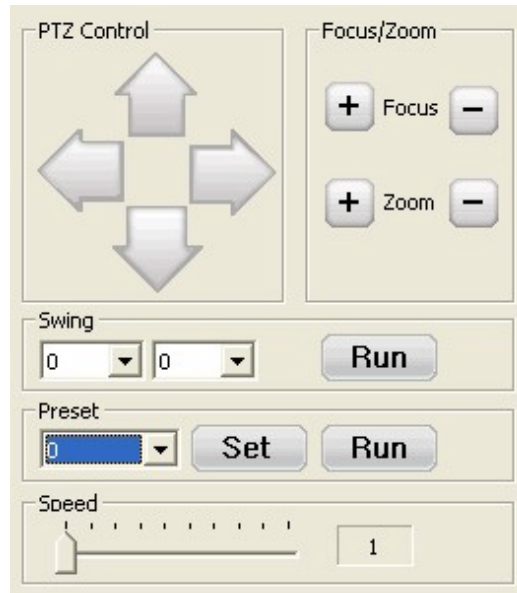
Saving Directory : Select folder for saving backup image

Click  to browse folder

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10. PTZ Camera Control

10.1 Select PTZ Camera Control icon

A screenshot of the PTZ Control interface. It features a central control panel with four large arrows for PTZ movement (up, down, left, right). To the right of these arrows are two sets of buttons for Focus and Zoom, each with a '+' and '-' button. Below the movement arrows are two dropdown menus for 'Swing' (both set to '0') and a 'Run' button. Below the 'Swing' section is a 'Preset' dropdown menu (set to '0'), a 'Set' button, and a 'Run' button. At the bottom is a 'Speed' slider with a value of '1' displayed next to it.

PTZ Control : Camera can be moved up, down, left and right

Focus/Zoom : Adjust focus of lens, zoom in & out

Swing : Setup swing position

Preset : Setup preset location

Speed : Adjust moving speed of camera

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11. Backup Live

11.1 Connect to desired DVR site in Live mode, then click on the channel screen to select camera for live backup (chosen camera to be indicated by yellow border).



11.2 Select Backup Live icon

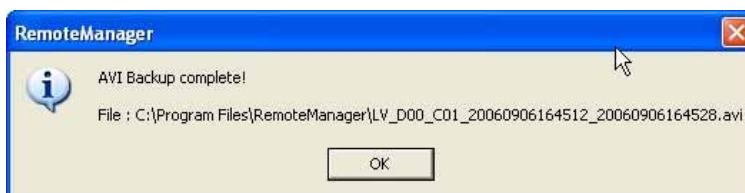


11.3 Then, it will start saving live video of the selected channel.
Click [Stop] to stop saving



11.4 Live video will be saving in AVI format

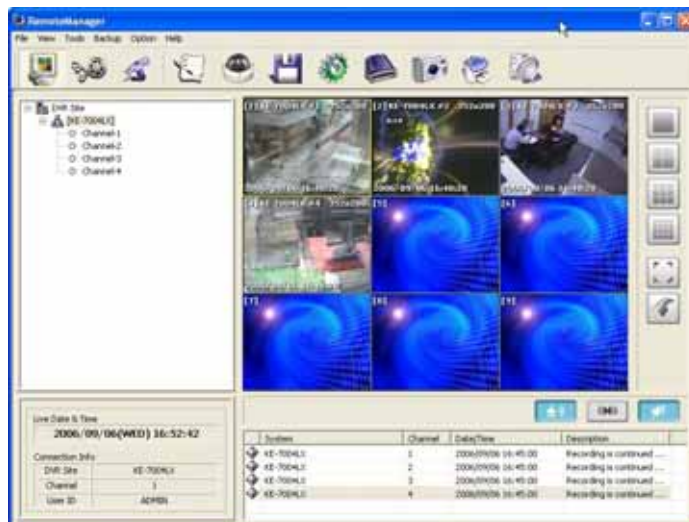
User can change the saving folder at RemoteManager Setting > Remote Options > Saving Directory



RemoteManager

12. Remote Configuration

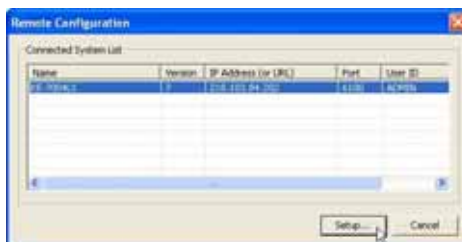
12.1 Connect to desired DVR site in Live mode, then click on the channel screen to select camera of DVR for remote configuration (chosen camera to be indicated by yellow border).



12.2 Select Remote Configuration icon



12.3 Select DVR site, and click [Setup]



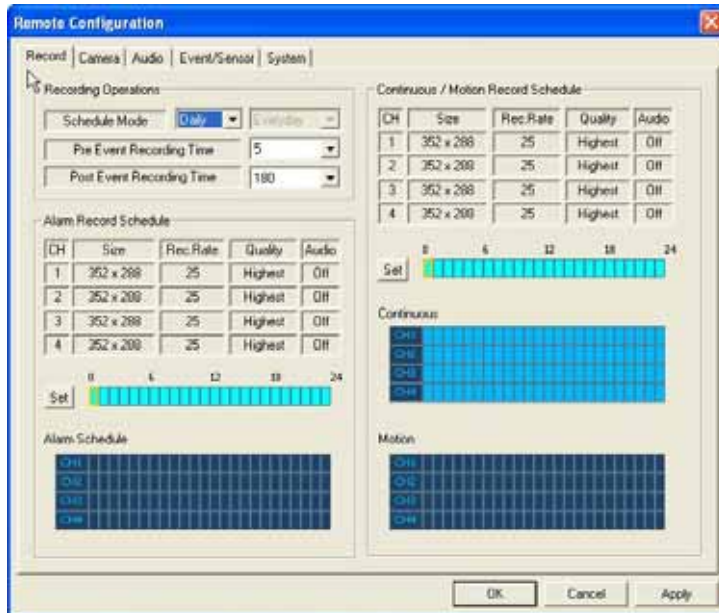
12.4 Input Password of ADMIN, then click [OK]



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12. Remote Configuration

12.5 Record Setup



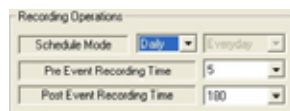
12.5.1 Recording Operation

Schedule Mode: Daily or Weekly

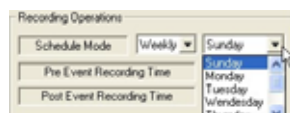
Daily schedule: Monday ~ Sunday

Pre-Event Recording Time: 0~5 sec

Post-Event Recording Time: 5~180 sec



Daily Schedule Mode



Weekly Schedule Mode

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12. Remote Configuration

12.5.2 Alarm Recording Schedule

12.5.3 Use mouse to select schedule at 0~24 hour slide bar. Selected hours are indicated in yellow border

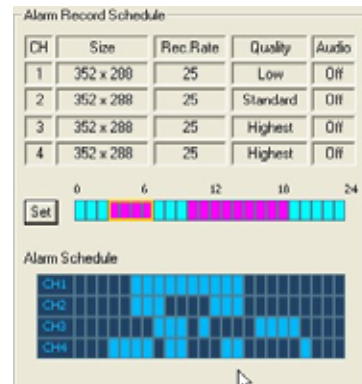


12.5.4 Click [Set] to adjust:
Size: 352x288, 704x288, 704x576
Rec. Rate: 1,2,3,6,8,13,25 fps
Quality: Highest, High, Standard, Low
Audio: select audio channel 1~4 or off



12.5.5 Adjust configuration is indicated in Pink color.
User can adjust for another hour(s) by repeat above procedure

12.5.6 Alarm Schedule
User can assign each hour schedule for each channel

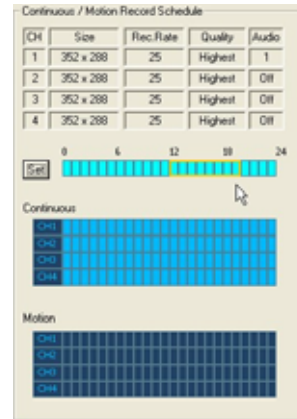


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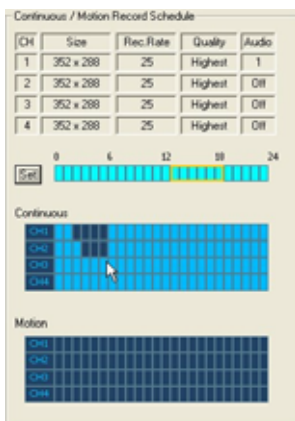
12. Remote Configuration

12.5.7 Continuous / Motion Recording Schedule

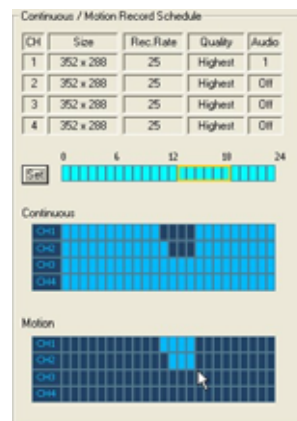
12.5.8 Use mouse to select schedule at 0~24 hour slide bar. Selected hours are indicated in yellow border



12.5.9 Click [Set] to adjust:
Size: 352x288, 704x288, 704x576
Rec. Rate: 1,2,3,6,8,13,25 fps
Quality: Highest, High, Standard, Low
Audio: select audio channel 1~4 or off



- Continuous
User can assign continuous schedule for each channel in hourly basis



- Motion
If user select motion schedule for an certain hour period, continuous mode schedule will be disabled automatically

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12. Remote Configuration

12.6 Camera Setup

The Remote Configuration dialog box has tabs for Record, Camera, Audio, Event/Sensor, and System. The Camera tab is active, showing a 'Status / Title' table, a 'Color' table, a 'Covert / PTZ' table, and a 'Motion Area' section.

Camera	Covert	Title
1	Off	CAMERA1
2	Off	CAMERA2
3	Off	CAMERA3
4	Off	CAMERA4

Camera	Bright	Contrast	Tint	Color
1	50	50	50	50
2	50	50	50	50
3	50	50	50	50
4	50	50	50	50

Camera	Address	PTZ Protocol	Baud Rate	Properties
1	1	PELCO-D	2400 bps	Properties...
2	1	NONE	9600 bps	Properties...
3	2	NONE	9600 bps	Properties...
4	3	NONE	9600 bps	Properties...

Motion Area: Camera 1... Camera 2... Camera 3... Camera 4...

Buttons: OK, Cancel, Apply

12.6.1 Status / Title

Conver On or Off – live image will not be shown on DVR's monitor when covert is on

Input title for each camera

Camera	Covert	Title
1	On	CAMERA1
2	Off	CAMERA2
3	Off	CAMERA3
4	Off	CAMERA4

12.6.2 Color

Adjust bright, contrast, tint, color for each camera

Camera	Bright	Contrast	Tint	Color
1	50	50	50	50
2	50	50	50	50
3	50	50	50	50
4	50	50	50	50

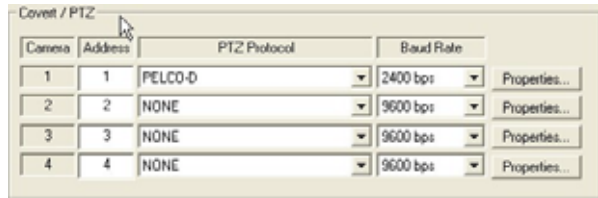
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12. Remote Configuration

12.6.3 PTZ

Setup PTZ of each channel

- ID address
- PTZ protocol
- baud rate



Camera	Address	PTZ Protocol	Baud Rate	Properties...
1	1	PELCO-D	2400 bps	Properties...
2	2	NONE	9600 bps	Properties...
3	3	NONE	9600 bps	Properties...
4	4	NONE	9600 bps	Properties...

12.6.4 Click [Properties] for detail setting



PTZ Properties

Channel: 1

PTZ Driver: PELCO-D

Auto Focus: On

Auto Iris: On

P/T Speed: 5

Zoom Speed: 5

Focus Speed: 5

Iris Speed: 5

OK Cancel

12.6.5 Motion Area

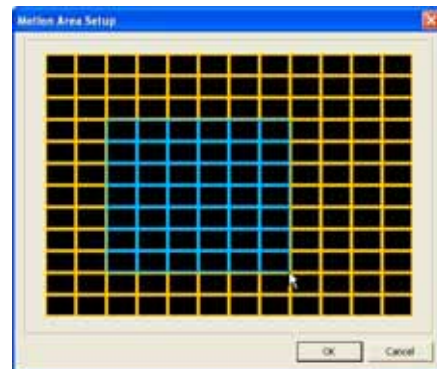
Select camera for motion area setup



Motion Area

Camera 1... Camera 2... Camera 3... Camera 4...

12.6.6 Define motion area by using mouse



Motion Area Setup

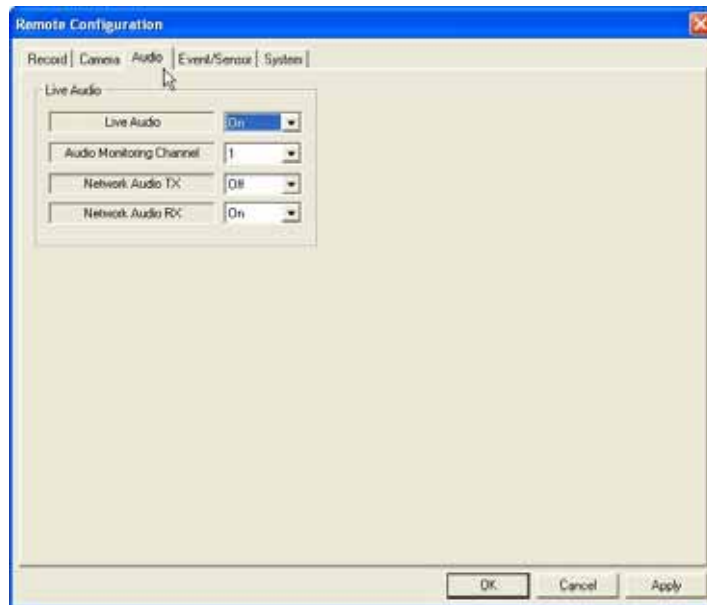
A grid of 10x10 squares is displayed. A blue square is highlighted in the center, indicating the selected motion area. A mouse cursor is visible over the grid.

OK Cancel

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12. Remote Configuration

12.7 Audio Setup



12.7.1 Live Audio – On or Off live audio

12.7.2 Audio Monitoring Channel -- Select audio monitoring channel 1~4

12.7.3 Network Audio TX – On or Off network transmit audio

12.7.4 Network Audio RX – On or Off network receive audio

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12. Remote Configuration

12.8 Event / Sensor Setup

The screenshot shows the 'Remote Configuration' window with the 'Event/Sensor' tab selected. The window is divided into several sections: 'Alarm Input', 'HDD Event', 'Alarm Out', 'Buzzer Out', and 'E-Mail Notification'. The 'Alarm Input' section has a table with 4 rows, each with 'Alarm', 'Operation', and 'Type' columns. The 'HDD Event' section has 'Smart Alarm', 'Temperature', and 'Polling Time' fields. The 'Alarm Out', 'Buzzer Out', and 'E-Mail Notification' sections each have checkboxes for Alarm, V-Loss, and Motion, and dropdown menus for Disk Event, Operation, Mode, Type, and Duration. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Alarm	Operation	Type
1	Enabled	N/Open
2	Disabled	N/Open
3	Disabled	N/Open
4	Disabled	N/Open

HDD Event

Smart Alarm: Off
Temperature: 90
Polling Time: 24

Alarm Out

Alarm: ☒ 1 ☒ 2 ☒ 3 ☒ 4
V-Loss: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Motion: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Disk Event: Off
Operation: Off
Mode: Latched
Type: N/Open
Duration: 5 sec

Buzzer Out

Alarm: ☒ 1 ☒ 2 ☒ 3 ☒ 4
V-Loss: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Motion: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Buzzer: Off
Duration: 5 sec
Disk Event: Off
Key Pad: On
Remocon: On

E-Mail Notification

Alarm: ☒ 1 ☒ 2 ☒ 3 ☒ 4
V-Loss: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Motion: ☒ 1 ☒ 2 ☒ 3 ☒ 4
Disk Event: Off
Notification: Off

12.8.1 Alarm Input

Enable or Disable alarm input and type (Normal Open vs Normal Close)

12.8.2 Alarm Out

Setup alarm out for alarm, video loss, motion occurred

Disk Event – On / Off alarm out when HDD event happened

Operation – On / Off alarm out operation

HDD Event – buzzer on / off when HDD event happened

Mode – Setup relay as Latched or Transparent mode

Type – Setup relay type (Normal Open vs Normal Close)

Duration – Setup relay time (5 sec ~ 5 min, or Until key-in)

* Latched – When sensor alarm activated, relay reacted in Setup Duration
* Transparent – Relay reacted temporary during sensor alarm activate

12.8.3 Buzzer Out

Setup buzzer for alarm, video loss, motion occurred

Buzzer – On / Off buzzer

Duration – buzzer time (5 sec ~ 5 min, or Until key-in)

HDD Event – buzzer on / off when HDD event happened

Key Pad – buzzer on/ off when using key pad

Remocon – buzzer on / off when using remocon

12.8.4 E-Mail Notification

Setup e-mail notification for alarm, video loss, motion occurred

Disk Event – On / Off e-mail notification for HDD event

Notification – On / Off notification

12.8.5 HDD Event

-- On / Off Smart Alarm

-- Setup HDD temperature warning level

-- Setup Polling Time

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12. Remote Configuration

12.9 System Setup

The 'Remote Configuration' window has a blue title bar and a menu bar with 'Record', 'Camera', 'Audio', 'Event/Sensor', and 'System'. The 'System' tab is selected. It contains several sections: 'System Info' with fields for S/W Version (3.7.42.26ENCU), H/W Version (0.0.0.7), Video Signal Type (PAL), Disk Size (29), Number of HDD (1), IP Address (218.103.84.202), and MAC Address (00-11-51-da-7d-45); 'SMTP' with fields for Server, Port (25), Security (Off), User, and Password (1234); 'Users' with a table of users (ADMIN, guest) and buttons for Add, Modify, and Remove; 'Disk Overwrite' with a dropdown set to 'On'; and 'Network Speed' with a dropdown set to '8192 Kbps'. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

System Info			
S/W Version	3.7.42.26ENCU	Number of HDD	1
H/W Version	0.0.0.7	IP Address	218.103.84.202
Video Signal Type	PAL	MAC Address	00-11-51-da-7d-45
Disk Size	29		

SMTP			
Server		Port	25
		Security	Off
User		Password	1234

Users			
User ID	Group	E-mail	Noti.
ADMIN	ADMIN		No
guest	USER		No

Disk Overwrite	
On	

Network Speed	
8192 Kbps	

12.9.1 System Info

-- Display current system information of DVR

12.9.2 SMTP

-- Setup SMTP server and user's e-mail

12.9.3 Users

Add, Modify, Remove user of DVR

The 'User Property' window has a blue title bar and contains fields for User ID, Group (Administrator), E-mail, Notification (No), Password, and Confirm Password. At the bottom are 'OK' and 'Cancel' buttons.

*Add new user

12.9.4 Disk Overwrite

On / Off HDD overwrite

12.9.5 Network Speed

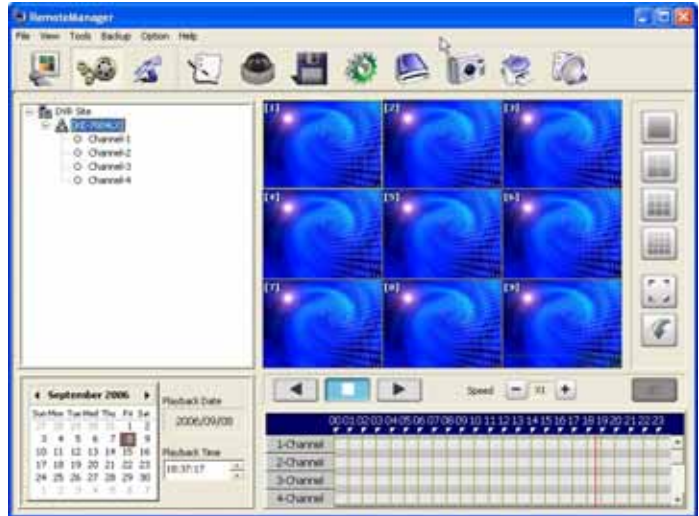
Select maximum network transmission speed

The 'Network Speed' dropdown menu is open, showing a list of options: 128 Kbps, 256 Kbps, 512 Kbps, 1024 Kbps, 2048 Kbps, 4096 Kbps, and 8192 Kbps. The '8192 Kbps' option is highlighted at the bottom.

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13. Backup Archive

13.1 Firstly, go to Playback (VOD) Mode

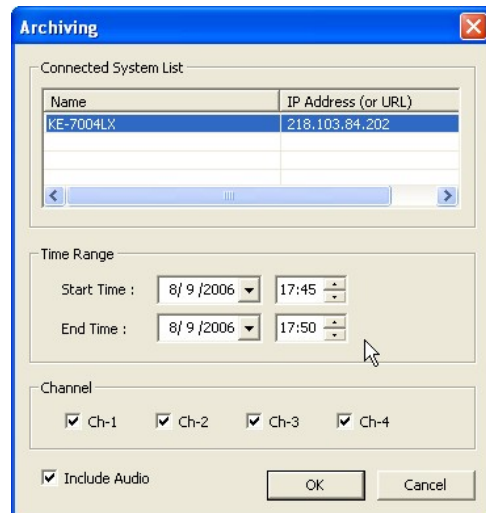


13.2 Select Backup Archive icon



13.3

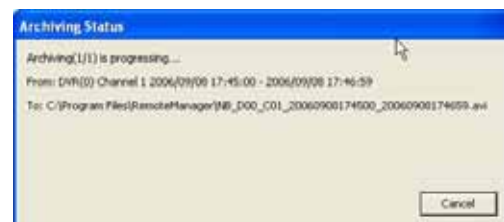
- In Connected System List, select DVR site
- Select start date & time, End date & time in Time Range
- Select channel 1~4
- Select including audio or not



13.4 Click [OK] to start backup video from DVR site to PC

Saving folder can be changed at RemoteManager Setting > Remote Options > Saving Directory

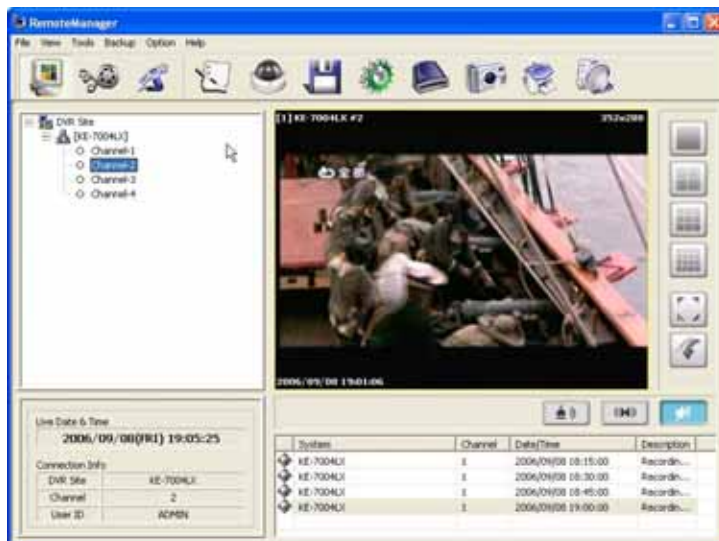
When finish backup, Archiving Status will close automatically.



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14. Saving Snap-Shot

14.1 Firstly, connect desired channel either in Live Mode or Playback (VOD) Mode

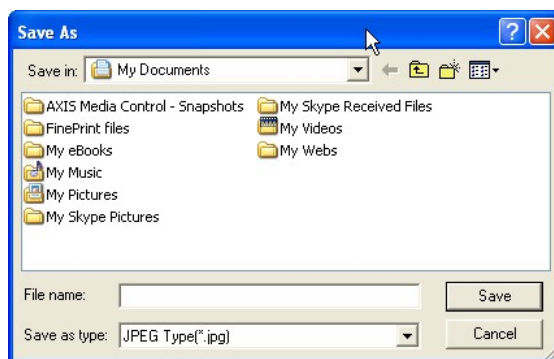


14.2 Select Saving Snap-Shot icon



14.3 Select location for saving image in PC

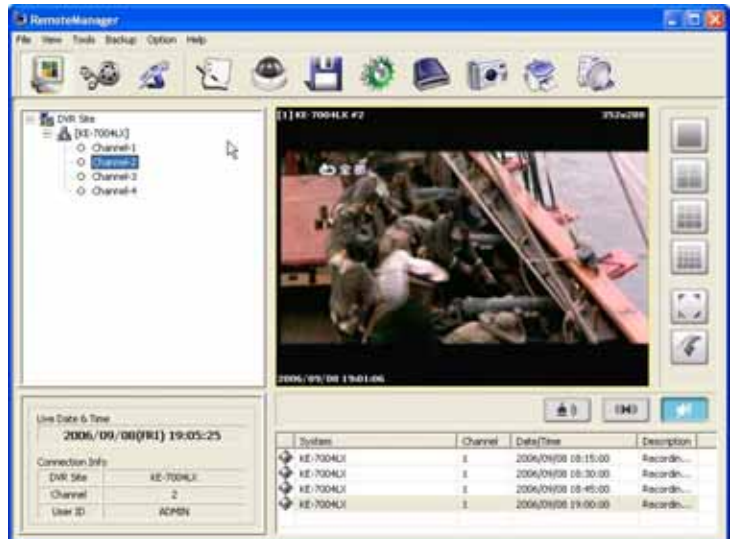
Image can be saved in JPEG, PNG or BMP format



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15. Still Printing

15.1 Firstly, connect desired channel either in Live Mode or Playback (VOD) Mode



15.2 Select Still Printing icon



15.3 Select printer to print out



15.4 Recording Information will be printed as well:

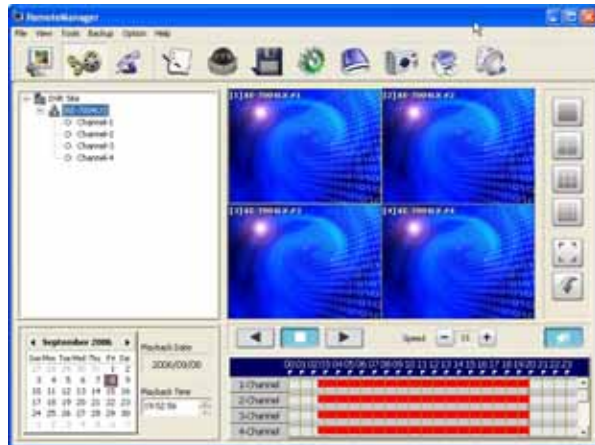
- Current Date
- Current Time
- Camera or Channel Number
- Camera Position/Site



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16. Log Event Search

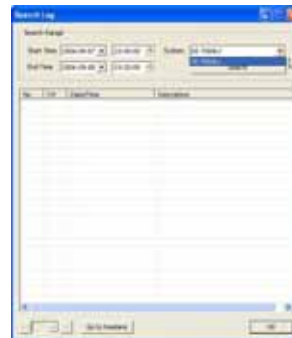
16.1 Firstly, connect desired DVR site in Playback (VOD) Mode



16.2 Select Log Event Search icon



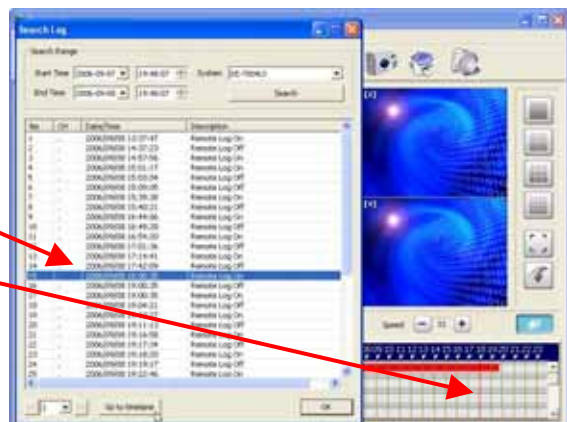
16.3
Input Search start date & time, End Search date & time.
Select DVR system.
Then click [Search]



16.4
Select specified event, click [Go to
timelane]

Search bar will indicate such event
occurred time

Click [Play] icon to playback the
video of the event



RemoteManager

17. Appendix

Q & A

Q: Cannot connect to the Server.

A: First, check the network environment. Also, check if the DVR server IP is correctly entered. In case the server does not support corresponding connection method, it could not be connected. Refer to the error message if it appears.

Q: Connection is repeatedly cut

A: Check the network. In case the state of network is not good or if there is defect in the LAN card, the connection would be repeatedly cut.

Q: Sometimes pink colored screen would be shown while sequencing screen mode.

A: This happens when the VGA of some PC does not support Direct X efficiently. Try to change VGA card.

Q: Full screen mode does not support One- screen mode.

A: Requires VGA card which supports the Direct X to see Full One Screen Mode.

Q: The screen blinks while sequencing to other screen from Full One Screen Mode.

A: There would be a bit of delay while changing the screen mode to 640×480 for better picture quality of image.

Q: The screen broke on one-screen mode.

A: There could be roughly about 2 reasons. The first reason is when the VGA card does not support Direct X efficiently. The second reason is if the setting is done wrongly even when the VGA card is supporting Direct X. Check if "Screen Pixel" is set to high in the registry information of VGA card and lower down to 60 Hz.

Q: The logo would not come out or part of the logo would be broken while returning to multiple screen modes from 1 screen mode after starting the RemoteAgent.

A: It happens when the VGA card is lacking of memory. The memory of the VGA should be at least 64MByte.

Q: Error message "DVR Setup is being configured by local administrator" pop up.

A: During system setup at remote, if DVR Local Setup starts, Remote configuration Setup will be closed automatically.

If DVR local setup is being in use, it's impossible to change setup at remote.